

WING DEVICE FOR SPORTING ACTIVITIES

Abstract of the Disclosure:

A human body attached wing device (20) for use during downhill alpine activities such as skiing and snowboarding. Wing device (20) includes independently operable, mirror image, left and right wings (24) and (26), which may be joined to a user (22) on or about the shoulders via a harness (28) that is worn by user (22). Each of wings (24) and (26) generally include ram-air canopies, (30) and (32), respectively, that inflate during use to form lift-providing airfoils. The surface area of canopy (30) is defined by first and second ends (34) and (36), a leading edge (38), and a trailing edge (40). Canopy (30) may include additional stiffening members to help maintain the shape of wings (24) and (26) when it is either deflated or only partially inflated, or when it is used as an air brake. Canopy (30) may also include flexible triangular struts (110) that stabilize trailing edge (40).

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